

# GIS REGISTRY INFORMATION

<b>SITE NAME:</b>	Badger Paper Mills Inc			<b>FID #</b>	
<b>BRRTS #:</b>	02-38-101391			(if appropriate):	
<b>COMMERCE #</b> (if appropriate):	54157-1406-00				
<b>CLOSURE DATE:</b>	June 1, 2004				
<b>STREET ADDRESS:</b>	200 W. Front Street				
<b>CITY:</b>	Peshtigo				
<b>SOURCE PROPERTY GPS COORDINATES</b> (meters in WTM91 projection):	<b>X =</b>	697494	<b>Y =</b>	511703	
<b>CONTAMINATED MEDIA:</b>	Groundwater		Soil	X	Both
<b>OFF-SOURCE GW CONTAMINATION &gt;ES:</b>	Yes		No	X	
<b>• IF YES, STREET ADDRESS:</b>					
<b>• GPS COORDINATES</b> (meters in WTM91 projection):	<b>X =</b>		<b>Y =</b>		
<b>OFF-SOURCE SOIL CONTAMINATION</b> >Generic or Site-Specific RCL (SSRCL):	Yes		No	X	
<b>• IF YES, STREET ADDRESS 1:</b>					
<b>• GPS COORDINATES</b> (meters in WTM91 projection):	<b>X =</b>		<b>Y =</b>		
<b>CONTAMINATION IN RIGHT OF WAY:</b>	Yes		No	X	
<b><u>DOCUMENTS NEEDED</u></b>					
Closure Letter, and any conditional closure letter issued					X
Copy of most recent deed, including legal description, for all affected properties					X
Certified survey map or relevant portion of the recorded plat map (if referenced in the legal description) for all affected properties					X
County Parcel ID number, if used for county, for all affected properties.....271-01380.002					X
Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.					X
Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs.					X
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)					NA
Tables of Latest Soil Analytical Results (no shading or cross-hatching)					X
Isoconcentration map(s), if required for site investigation (SI) (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of groundwater contamination defined. If not available, include the latest extent of contaminant plume map.					NA
GW: Table of water level elevations, with sampling dates, and free product noted if present					NA
GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)					NA
SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour					X
Geologic cross-sections, if required for SI. (8.5x14" if paper copy)					X
RP certified statement that legal descriptions are complete and accurate.					X
Copies of off-source notification letters (if applicable)					NA
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)					NA
Copy of (soil or land use) deed restriction (s) or deed notice if any required as a condition of closure					NA



ENVIRONMENTAL & REGULATORY SERVICES DIVISION  
BUREAU OF PECFA  
2129 Jackson Street  
Oshkosh, Wisconsin 54901-1805  
TDD #: (608) 264-8777  
Fax #: (920) 424-0217  
Jim Doyle, Governor  
Cory L. Nettles, Secretary

June 1, 2004

Mr. Gary Motkowski  
Badger Paper Mills, Inc.  
200 W. Front Street  
Peshtigo, WI 54157

RE: Final Closure

Commerce # 54157-1406-00      WDNR BRRTS # 02-38-101391  
Badger Paper Mills, Inc., 200 W. Front Street, Peshtigo

Dear Mr. Motkowski:

The Wisconsin Department of Commerce (Commerce) has received all items required as conditions for closure of the site referenced above. This case is now listed as "closed" on the Commerce database and will be included on the Wisconsin Department of Natural Resources (WDNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual soil contamination. It is in your best interest to keep all documentation related to the environmental activities that were conducted.

If residual contamination is encountered in the future, it must be managed in accordance with all applicable state and federal regulations. If it is determined that any remaining contamination poses a threat, the case may be reopened and further investigation or remediation may be required.

Thank you for your efforts to bring this case to closure. If you have any questions, please contact me in writing at the letterhead address or by telephone at (920) 303-5410.

Sincerely,

Beth A. Erdman  
Hydrogeologist  
Site Review Section

cc: Robert Mottl-STS Consultants, Ltd.  
Case File



commerce.wi.gov

ENVIRONMENTAL & REGULATORY SERVICES DIVISION  
BUREAU OF PECFA  
2129 Jackson Street  
Oshkosh, Wisconsin 54901-1805  
TDD #: (608) 264-8777  
Fax #: (920) 424-0217  
Jim Doyle, Governor  
Cory L. Nettles, Secretary

May 14, 2004

Mr. Gary Motkowski  
Badger Paper Company  
PO Box 149  
Peshtigo, WI 54157

RE: Conditional Case Closure

Commerce # 54157-1406-00 WDNr BRRTS # 02-38-101391  
Badger Paper Mills, Inc., 200 W. Front Street, Peshtigo

Dear Mr. Motkowski:

The Wisconsin Department of Commerce (Commerce) has reviewed the request for case closure prepared by your consultant, STS Consultants, Ltd., for the site referenced above. It is understood that residual soil contamination remains on-site. Commerce has determined that this site does not pose a significant threat to the environment and human health. No further investigation or remedial action is necessary.

During the final groundwater sampling event conducted on July 23, 2003, the preventive action limit (PAL) for benzene was exceeded at monitoring wells MW-2 and MW-3. Commerce is issuing a PAL exemption, per NR 140.28(2), Wis. Adm. Code, for COMPOUND at the referenced property.

The following condition must be satisfied to obtain final closure:

- Documentation of abandonment (WDNR abandonment form 3300-5B) of monitoring wells MW-1 through MW-3.

This letter serves as your written notice of "no further action." Timely filing of your final PECFA claim (if applicable) is encouraged. If your claim is not received within 120 days of the date of this letter, interest costs incurred after 60 days of the date of this letter will not be eligible for PECFA reimbursement.

Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (920) 303-5410.

Sincerely,

A handwritten signature in cursive script that reads "Beth A. Erdman".

Beth A. Erdman  
Hydrogeologist  
Site Review Section

cc: Robert Motti-STs Consultants, Ltd.  
Case File

Deeds - Pulp Mill Yard - Hansen family to Ben

*Handwritten signature/initials*

*Pulp mill yard*

EASTMAN & ROSE  
LAWYERS  
MARINETTE, WISCONSIN

STANLEY E. EASTMAN      ARTHUR H. ROSE

Jan. 29, 1943

Badger Paper Mills, Inc.  
Peshtigo, Wisconsin

Gentlemen:      Re: Purchase of Nelson-Hansen Lands

I am enclosing abstract of title in the above matter together with the two quitclaim deeds from the County and my certificate of title based on the abstract and the two quitclaim deeds.

I am also enclosing redemption receipt for the taxes for the years 1938 to 1941 both inclusive.

Mr. Brabender turned over to us today three deeds, one from the Hansens covering Tract 1, another from the Nelson heirs covering Tract 2 and a third being a guardian's deed covering the interest of the minor David Donahue in tract 2.

We have left the three deeds at the office of the Register of Deeds for recording with instructions to send the three deeds direct to you when they have been recorded.

We are also enclosing our statement for services and disbursements in the above matter.

Yours very truly,



This Indenture, Made this 12th day of June A. D., 1942.

between Axel Hansen and Mary Hansen, his wife, Harry Hansen and Esther J. Hansen, his wife, Edwin Hansen and Mabel Hansen, his wife of Marinette County, Wisconsin, <sup>part 1es of the first part</sup> and Badger Paper Mills Inc., a corporation, Peshtigo, Wisconsin,

part y of the second part.

Witnesseth, That the said part 1es of the first part, for and in consideration of the sum of . One (\$1.00) Dollar Dollars, to them in hand paid by the said part y of the second part, the receipt whereof is hereby confessed and acknowledged, have given, granted, bargained, sold, remised, released, and quit-claimed, and by these presents do give, grant, bargain, sell, remise, release and quit-claim unto the said part y of the second part, and to its heirs and assigns forever, the following described real estate, situated in the County of Marinette, State of Wisconsin, to-wit:

Part of Lot One (1), in Section Nineteen (19), in Township Thirty (30) North, Range Twenty-Three (23) East, more particularly described as follows: Commencing on the bank of the Peshtigo River where the south line of said Lot One (1) intersects said Peshtigo River and running easterly along said south line about nineteen (19) rods to the west side of the road, running parallel with said river; thence northerly along the west side of said road; ten (10) rods; thence westerly about nineteen (19) rods to the bank of said river; thence along the bank of said river to the place of beginning, except the north fifty (50) feet of said tract heretofore deeded to Henry Hansen by warranty deed dated February 24, 1928, and recorded June 6, 1930, in Volume 127 of Deeds, page 163, Marinette County Records, said lands being situated in the City of Peshtigo, Marinette County, Wisconsin.

To Have and to Hold, the same, together with all and singular the appurtenances and privileges thereunto belonging or in anywise thereunto appertaining, and all the estate, right, title, interest and claim whatsoever of the said part 1es of the first part either in law or equity, either in possession or expectancy of, to the only proper use, benefit and behoof of the said party of the second part, its heirs and assigns forever.

In Witness Whereof, the said part 1es of the first part have hereunto set their hands and seals this 12th day of XXX June A. D., 1942.

Signed and Sealed in Presence of

Clifford J. Brakeder

Mary J. Philan

State of Wisconsin,  
Marinette County.

ss.

Axel Hansen

Mary Hansen (Seal)

Harry J. Hansen (Seal)

Esther J. Hansen (Seal)

Edwin Hansen (Seal)

Mabel Hansen.

Personally came before me, this 12th day of XXX June A. D., 1942.

the above named Axel Hansen and Mary Hansen, his wife, Harry Hansen and Esther J. Hansen, his wife, Edwin Hansen and Mabel Hansen, his wife,

to me known to be the persons who executed the foregoing instrument and acknowledged the same.

Mary J. Philan

Notary Public, Marinette County, Wis.

My Commission expires 7/8/45 A. D., 19

QUITCLAIM DEED-Statutory Form

GEO. E. COSTELLO, County Clerk, in the name of Marinette County, Wis., grantor of MARINETTE COUNTY, WISCONSIN, hereby QUITCLAIMS to Badger Paper Mills Inc., a corporation,

grantee , of Peshtigo, Wisconsin, for the sum of  
One (\$1.00) - - - - - DOLLARS

the following tract of land in Marinette County, Wisconsin:

That part of Lot One (1) in Section Nineteen (19) in Township Thirty (30) North, Range Twenty-Three (23) East, more particularly described as follows, to-wit: Commencing on the bank of the Peshtigo River where the south line of said Lot One (1) intersects said Peshtigo River and running easterly along said south line about nineteen (19) rods to the west side of the road running parallel with said Peshtigo River, thence northerly along the west side of said road ten (10) rods, thence westerly about nineteen (19) rods to the bank of said river, thence along the bank of said river to the place of beginning, containing one & 1/4 (1.25) acres according to government survey, excepting therefrom the north 50 feet of said tract as described in Vol. 127 of Deeds, page 163, situate in the County of Marinette and State of Wisconsin.

The purpose of this conveyance is to release, relinquish and disclaim any right, title or interest of the grantor in the above described premises and to further establish the fact that the tax deed issued to Otto Nelson, Feb. 5, 1921, recorded the same day in Vol. 70, Deeds, page 415, M. C. R. Document No. 114150, and tax deed issued to Marinette County, December 19, 1936, recorded the same date in Vol. 123, Deeds, page 635 M. C. R. Document No. 181615 describes other lands and does not embrace the above described premises.

This conveyance is subject to the following reservations, exceptions or incumbrances:

All easements heretofore granted by prior owners or this grantor for aerial power lines, also the right of way of any and all public highways now upon or across said premises and the right of way of any and all fire lanes now upon or across said premises.

The grantor excepts and reserves in perpetuity full and free right and liberty at all times hereafter to relocate, alter or widen existing highways or fire lanes, and further reserves the right in perpetuity to lay out and construct public highways upon or across said premises, all without hindrance by the grantee, or his, her or its, successors in title, and without payment of compensation for the lands required and utilized.

It is covenanted by the grantee, and his, her or its successors in interest, that he, she or they will never call upon the public to build or finance any road to or upon said premises, and should the grantee, or his, her or its successors in interest, desire a highway to or upon said premises, it is covenanted that he, she or they will bear the entire burden for acquiring the necessary right of way and the construction of said highway, without expense or cost to the state of Wisconsin, the grantor, or any of its political subdivisions.

It is covenanted, understood and agreed that the reservations, exceptions and covenants herein contained shall enure to the benefit of the state of Wisconsin, Marinette County and the political subdivisions thereof.

WITNESS its hand and seal of said grantor, this 12th day of January

IN PRESENCE OF

*James Trotter*  
*Isabel H. Pratt*

*GEO. E. COSTELLO*  
County Clerk, of Marinette County, Wisconsin

STATE OF WISCONSIN, } ss.  
MARINETTE COUNTY

Personally came before me this 12th day of January, 1943, the above named GEO. E. COSTELLO, to me known to be the County Clerk of Marinette County, Wisconsin, who executed the foregoing instrument and acknowledged the same.

*Isabel H. Pratt*  
Notary Public, Marinette County, Wis.

My commission expires Feb. 11, 1945.

VOL 225 PAGE 330

281342

**This Indenture** Made this 15th day of December, A. D. 19 53,  
between BERTRAND HANSEN, also known as Bert Hansen, and ANNA MARIE  
HANSEN, his wife,

of Marinette County, Wisconsin, part 1<sup>st</sup> of the first part, and

BADGER PAPER MILLS, INC., a corporation of Peshtigo, Wisconsin.

Witnesseth: That the said part 1<sup>st</sup> of the first part, for and in consideration of the sum of  
One dollar (\$1.00) and other valuable considerations,

to them in hand paid by the said part y of the second part, the receipt whereof is hereby  
confessed and acknowledged, have given, granted, bargained, sold, remised, released, aliened, conveyed  
and confirmed, and by these presents do give, grant, bargain, sell, remise, release, alien, convey and  
confirm unto the said part y of the second part, its successors ~~heirs~~ and assigns  
forever, the following described real estate, situated in the County of Marinette  
and State of Wisconsin, to-wit:

That part of Lot Number One (1) of Section Nineteen (19) in  
Township Thirty (30) North, of Range Twenty-three (23) East,  
more particularly described as follows: Commencing at a  
point on the west line of Ogden Avenue running through said  
Lot One (1), ten (10) rods and fifty (50) feet north of the  
south line of said Lot One (1); thence running north one  
hundred (100) feet; thence west parallel with the south line  
of said Lot One (1) to the bank of the Peshtigo River;  
thence south along the bank of said river to a point in a  
direct line ten (10) rods and fifty (50) feet north of the  
south line of said Lot One (1); thence east to the place of  
beginning; now known and described as Out lot 22 of Assessor's  
Plat No. 3, City of Peshtigo, according to the recorded plat  
thereof.

The taxes for the year 1953 are to be paid by the grantee.



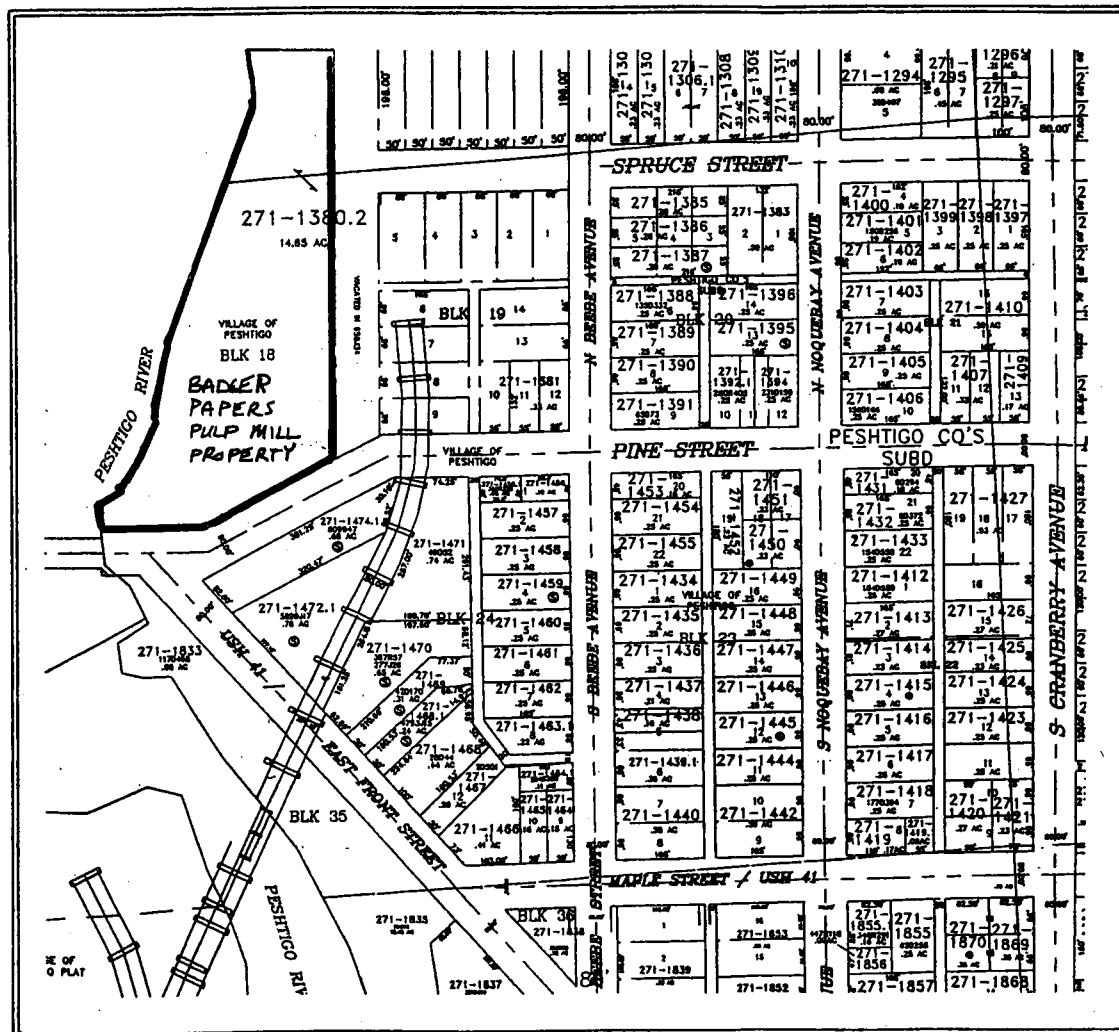
Together with all and singular the hereditaments and appurtenances thereunto belonging or in anywise  
appertaining; and all the estate, right, title, interest, claim or demand whatsoever, of the said part 1<sup>st</sup>  
of the first part, either in law or equity, either in possession or expectancy of, in and to the above bargained  
premises and their hereditaments and appurtenances.

To have and to hold, the said premises as above described with the hereditaments and appurtenances,  
unto the said part y of the second part, and to its successors ~~heirs~~ and assigns FOREVER.

And the said, Bertrand Hansen and Anna Marie Hansen, his wife,  
for themselves, their heirs, executors and administrators, do covenant, grant, bargain and  
agree to and with the said part y of the second part, its successors ~~heirs~~ and assigns, that at the time or  
the ensembling and delivery of these presents they are well seized of the premises above described,  
as of a good, sure, perfect, absolute and indefeasible estate of inheritance in the law, in fee simple, and  
that the same are free and clear from all incumbrances whatever,

and that the above bargained premises in the quiet and peaceable possession of the said part y of the

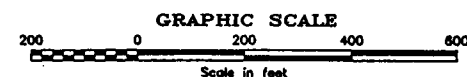




DRAFTED BY: TINA M SWANSON  
DATE: 07/23/2001  
LAST REV:



GRID NORTH  
MANITOWOC COUNTY COORDINATE SYSTEM



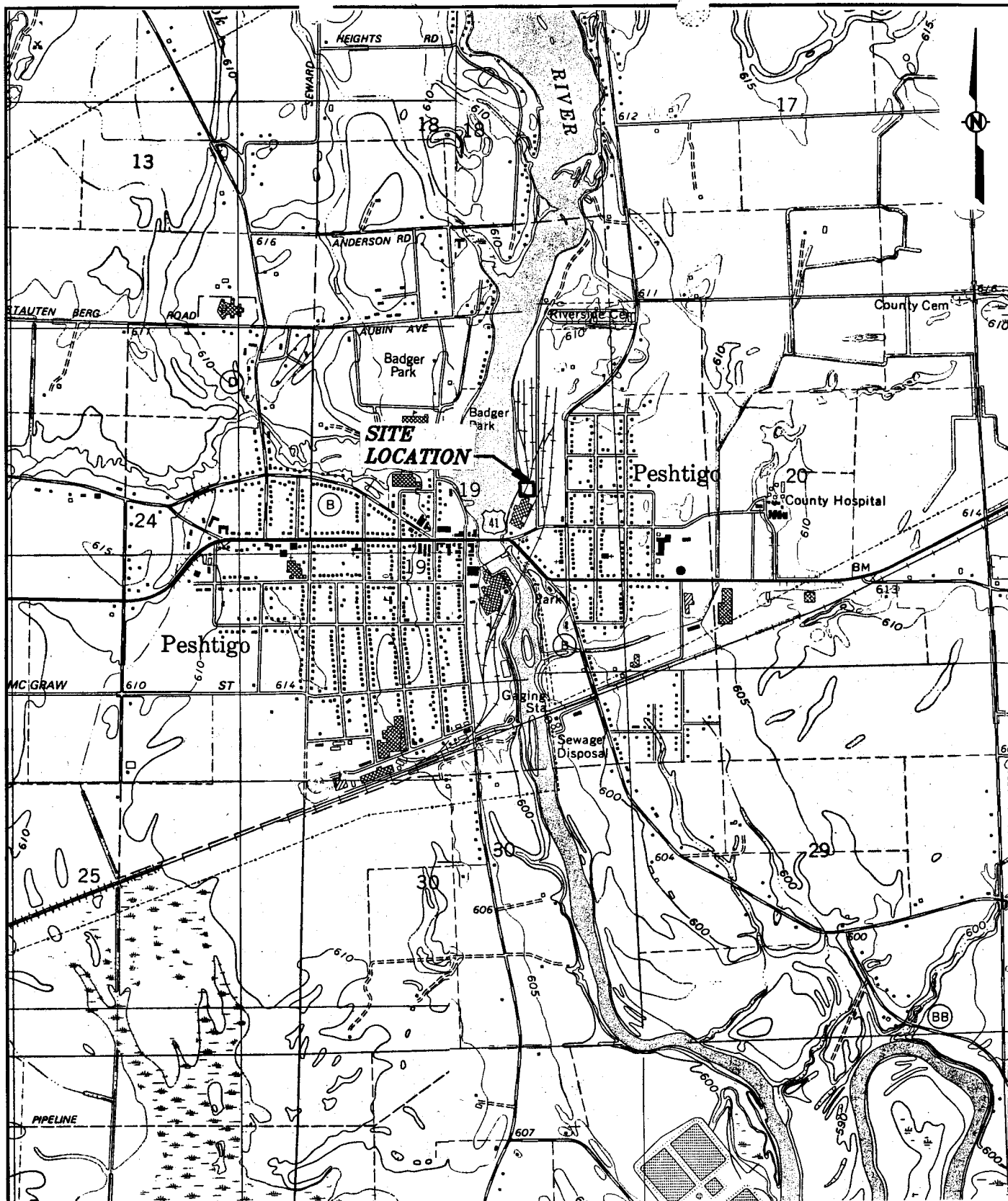
This map is based on documents of record, surveys and highway project plats from County Surveyor's office. Hydrography, railroads and unplatted roads were digitized from USGS digital raster graphic data. Coordinate base is the Marinette County coordinate system. For additional information see mapping notes.

The location of original government corners shown on this map is based on the county remanumentation program. For information on placement of the center of section, see the County Surveyor's office.

As with all public information derived from variable sources, this data may contain errors or faults. Therefore, Marinette County does not provide any warranty, express or implied, that this data is absolutely accurate. If the recipient has any doubts as to the accuracy of this data, a request is advised to request an independent investigation of the information. If an error is found, it is requested that the Property Using Office be advised of the error so this data can be examined and corrected. This map is not intended as a substitute for an accurate field survey, neither is it intended to register or certify land ownership boundaries.



01471.00



MAP SOURCE: MODIFIED FROM MARINETTE WEST AND HARMONY WISCONSIN  
QUADRANGLES DATED 1963 & 1982

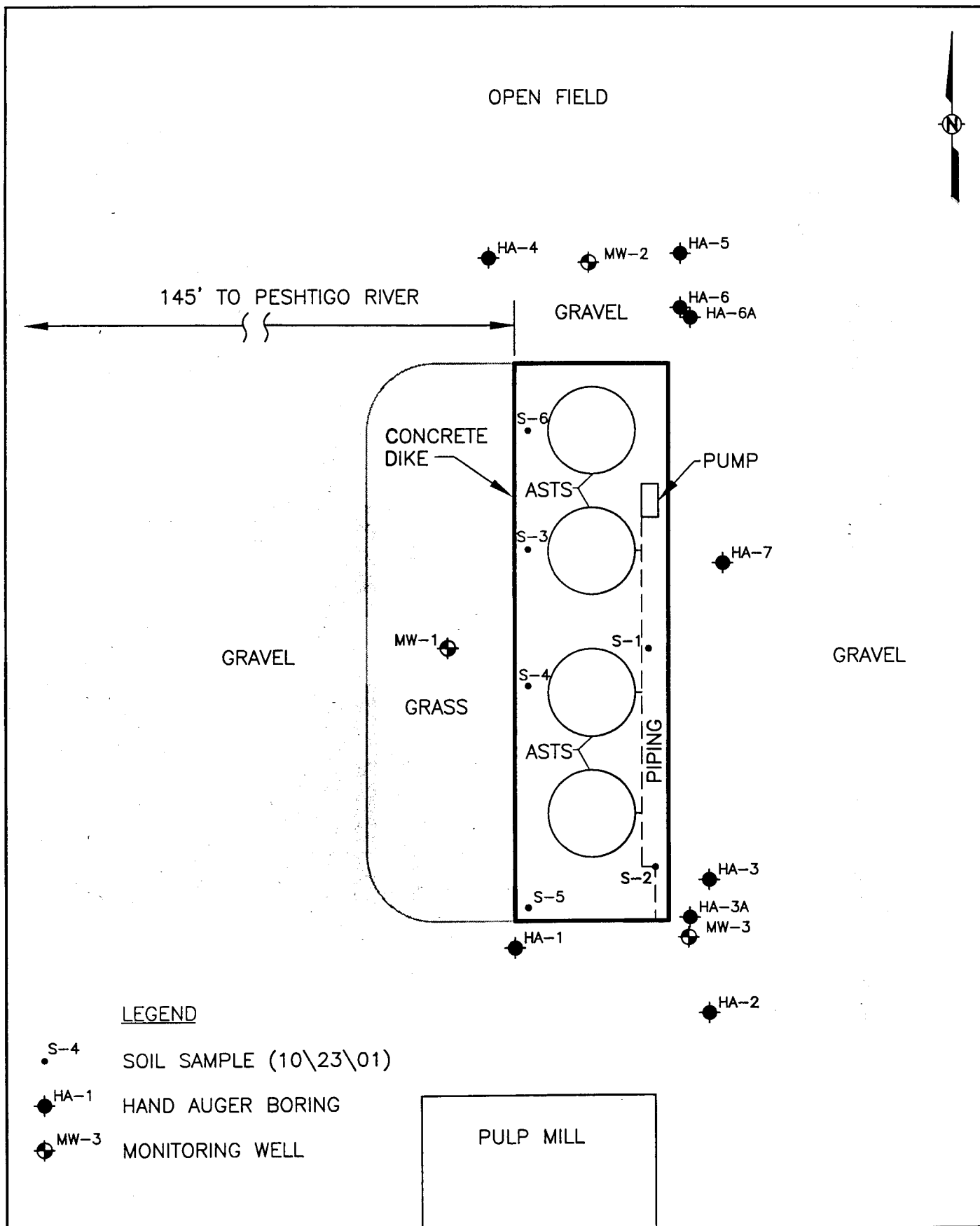


STS Consultants Ltd.  
Consulting Engineers  
1035 Kepler Dr.  
Green Bay, WI 54311  
920.468.1978

**SITE LOCATION**  
**BADGER PAPER AST ASSESSMENT**  
**FRENCH STREET**  
**PESHTIGO, WISCONSIN**

DESIGNED BY	RJM	1-30-02
DRAWN BY	ACS	1-30-02
APPROVED BY	RJM	1-30-02
CADFILE	27121XF01.dwg	SCALE 1"=2000'
STS PROJECT NO.	27121XF	FIGURE NO. 1





STS Consultants Ltd.  
Consulting Engineers  
1035 Kepler Dr.  
Green Bay, WI 54311  
920.468.1978

SITE MAP  
BADGER PAPER AST ASSESSMENT  
FRENCH STREET  
PESHTIGO, WISCONSIN

DESIGNED BY	RJM	10/01/03
DRAWN BY	JMR	10/01/03
APPROVED BY		
CADFILE	SCALE	
G427121XH002A.dwg	1"=20'	
STS PROJECT NO.	FIGURE NO.	
27121XH	3	

TABLE 1  
SOIL FIELD OBSERVATIONS AND ANALYTICAL RESULTS  
BADGER PAPER MILL, INC.,  
PULP MILL ABOVE GROUND STORAGE TANK ASSESSMENT  
PESHTIGO, WISCONSIN

FIELD OBSERVATIONS							DRO	PVOCs							
Sample No.	Depth (Feet)	Date	Description	FID/PID	Moisture	Odor	DRO mg/kg	Benzene ug/kg	Toluene ug/kg	Ethylbenzene ug/kg	Xylenes ug/kg	1,2,4-TMB ug/kg	1,3,5-TMB ug/kg	MTBE ug/kg	Naphthalene ug/kg
S-1	1.2	10/23/01	Fill: Brown Silty Sand Tr. Gravel	0.6	Wet	None	3.8	9.2 *	27	6.2	<19	12	<10	<22	44
S-2	1.5	10/23/01	Fill: Brown Silty Sand Tr. Gravel	0.9	Wet	None	1.3	<9.0	<4.2	<4.5	<19	<9.9	<10	<22	<11
S-3	2.5	10/23/01	Fill: Brown Silty Sand	63	Moist	Slight Petroleum	3870	<90	195	137	1220	6400	2770	<220	49,000 *
S-4	3.5	10/23/01	Fill: Brown Silty Sand	80	Moist	Slight Petroleum	908	<90	61	128	<190	3990	1320	<220	7800 *
S-5	2	10/23/01	Fill: Brown Silty Sand	20	Wet	Slight Petroleum	--	--	--	--	--	--	--	--	--
	4.5		Fill: Brown Silty Sand	24	Moist	Slight Petroleum	14900 *	<180	144	1500	4530 *	14,600	4880	<440	25,600 *
S-6	2.5	10/23/01	Fill: Brown Silty Sand	140	Moist	Petroleum	10200 *	<180	138	635	4710 *	22,800	12,500	<440	63,200 *
MW-1	S-1	12/19/01	Fill: Brown Fine Sand	7.5	No	None	--	--	--	--	--	--	--	--	--
	S-2		Dark Brown Fine Silty Sand	53	Moist	None	<10	<25	<25	<25	<75	<25	<25	<25	--
	S-3		Brown Fine Sand	12	Wet	None	--	--	--	--	--	--	--	--	--
MW-2	S-1	12/19/01	Fill: Dark Brown Fine Silty Sand	0.6	No	None	--	--	--	--	--	--	--	--	--
	S-2		Brown Fine Silty Sand	2	Moist	None	--	--	--	--	--	--	--	--	--
	S-3		Dark Brown Fine Silty Sand	200	Moist	None	6900*	<25	150	130	2,400	2,600	1,200	<25	--
	S-3A		Brown Silty Peat/Fine Sand	17	Wet	None	--	--	--	--	--	--	--	--	--
MW-3	S-1	12/19/01	Fill: Light Brown Fine Sand	0.7	No	None	<10	<25	40	<25	87	30 (j)	<25	<25	--
	S-2		Reddish Brown Fine Sand	0.2	No	None	--	--	--	--	--	--	--	--	--
	S-3		Brown Fine Sand	0.2	Moist	None	--	--	--	--	--	--	--	--	--
	S-4		Reddish Brown Fine Sand	1	Wet	None	--	--	--	--	--	--	--	--	--
	S-4A		Reddish Brown Fine Sand Silt	8	Wet	None	--	--	--	--	--	--	--	--	--
HA-1	0.0 - 1.7	12/19/01	Fill: Dark Brown Sand	<0.1	No	None	22	<25	51	<25	140	42 (j)	34 (j)	<25	--
	2.0 - 2.7		Brown Fine Sand	0.2	No	None	--	--	--	--	--	--	--	--	--
	4.0 - 4.8		Reddish Brown Fine Sand	0.3	No	None	--	--	--	--	--	--	--	--	--
HA-2	0.0 - 0.5	04/11/03	Topsoil	--	No	None	--	--	--	--	--	--	--	--	--
	0.5 - 2.5		Fill: Brown Fine Sand	<0.1	No	None	--	--	--	--	--	--	--	--	--
	2.5 - 3.5		Brown Fine Silty Sand	<0.1	No	None	--	--	--	--	--	--	--	--	--
HA-3	0.0 - 0.5	04/11/03	Topsoil	--	No	None	--	--	--	--	--	--	--	--	--
	0.5 - 2.5		Fill: Brown Fine Sand	<0.1	No	None	--	--	--	--	--	--	--	--	--
	2.5 - 3.5		Fill: Brown Fine Sand	<0.1	No	None	--	--	--	--	--	--	--	--	--
HA-3A	0.0 - 0.3	9/1/03	Fine Sand	--	No	None	--	--	--	--	--	--	--	--	--
HA-4	0.0 - 0.5	04/11/03	Fill: Topsoil, Sand, Cinders	--	No	None	--	--	--	--	--	--	--	--	--
	0.5 - 3.0		Fill: Topsoil, Sand, Cinders	--	No	None	--	--	--	--	--	--	--	--	--
	3.0 - 3.5		Poss Fill: Dark Brown Silty Sand	<0.1	Wet	None	18	--	--	--	--	--	--	--	--
HA-5	0.0 - 0.5	04/11/03	Topsoil	--	No	None	--	--	--	--	--	--	--	--	--
	0.5 - 3.0		Fill: Brown Fine Sand	--	No	None	--	--	--	--	--	--	--	--	--
	3.0 - 3.5		Poss Fill: Dark Brown Silty Sand	55	Wet	Organic Odor	6700*	--	--	--	--	--	--	--	--
HA-6	0.0 - 2.5	7/23/03	Topsoil/Gravel Fill	--	No	None	--	--	--	--	--	--	--	--	--
	2.5 - 3.5		Poss Fill: Dark Brown Silty Sand	--	No	None	--	--	--	--	--	--	--	--	--
HA-6A	0.0 - 0.3	9/1/03	Gravel Fill	--	No	None	--	--	--	--	--	--	--	--	--
HA-7	0.0 - 2.5	7/23/03	Topsoil/Gravel Fill	--	No	None	--	--	--	--	--	--	--	--	--
	2.5 - 3.5		Poss Fill: Dark Brown Silty Sand	--	Moist	Organic	--	--	--	--	--	--	--	--	--
WAC NR 720.09 Groundwater Pathway Generic RCL							250	5.5	1500	2900	4100	--	--	--	--
WAC NR 720.11 Direct Contact Generic RCL							--	--	--	--	--	--	--	--	--
WAC NR 746 Table 1 Soil Screening Values							--	8500	38000	4600	42000	83000	11000	--	2700
WAC NR 746 Table 2 Direct Contact Values							--	1100	--	--	--	--	--	--	--

NOTES:

TMB = Trimethylbenzene

WAC = Wisconsin Administrative Code

DRO = Diesel Range Organics

nd = not determined

\* = Exceeds Wisconsin Groundwater Pathway Value

= Exceeds Wisconsin Soil Screening Level or Suggested Industrial Direct Contact Pathway Value

-- = Not analyzed/Applicable

**TABLE 1**  
**SOIL FIELD OBSERVATIONS AND ANALYTICAL RESULTS**  
**BADGER PAPER MILL, INC.,**  
**PULP MILL ABOVE GROUND STORAGE TANK ASSESSMENT**  
**PESHIGO, WISCONSIN**

FIELD OBSERVATIONS							PAHs								
Sample No.	Depth (Feet)	Date	Description	FID/PID	Moisture	Odor	Acenaphthene ug/kg	Acenaphthylene ug/kg	Anthracene ug/kg	Benzo(a)anthracene ug/kg	Benzo(a)pyrene ug/kg	Benzo(b)fluoranthene ug/kg	Benzo(g,h,i)perylene ug/kg	Benzo(k)fluoranthene ug/kg	Chrysene ug/kg
S-1	1.2	10/23/01	Fill: Brown Silty Sand Tr. Gravel	0.6	Wet	None	--	--	--	--	--	--	--	--	--
S-2	1.5	10/23/01	Fill: Brown Silty Sand Tr. Gravel	0.9	Wet	None	--	--	--	--	--	--	--	--	--
S-3	2.5	10/23/01	Fill: Brown Silty Sand	63	Moist	Slight Petroleum	--	--	--	--	--	--	--	--	--
S-4	3.5	10/23/01	Fill: Brown Silty Sand	80	Moist	Slight Petroleum	--	--	--	--	--	--	--	--	--
S-5	2 4.5	10/23/01	Fill: Brown Silty Sand Fill: Brown Silty Sand	20 24	Wet Moist	Slight Petroleum Slight Petroleum	-- <65	-- <74	-- <9.7	-- <56	-- <6.5	-- <27	-- <36	-- <56	-- <29
S-6	2.5	10/23/01	Fill: Brown Silty Sand	140	Moist	Petroleum	--	--	--	--	--	--	--	--	--
MW-1	S-1 0.0 - 2.0 S-2 2.0 - 4.0 S-3 4.0 - 6.0	12/19/01	Fill: Brown Fine Sand Dark Brown Fine Silty Sand Brown Fine Sand	7.5 53 12	No Moist Wet	None None None	-- <13	-- <10	-- <11	-- <10	-- <17	-- <24	-- <10	-- <37	-- <10
MW-2	S-1 0.0 - 2.0 S-2 2.0 - 4.0 S-3 4.0 - 5.0 S-3A 5.0 - 6.0	12/19/01	Fill: Dark Brown Fine Silty Sand Brown Fine Silty Sand Dark Brown Fine Silty Sand Brown Silty Peat/Fine Sand	0.6 2 200 17	No Moist Moist Wet	None None None None	-- 1300	-- <50	-- 940	-- <50	-- <85	-- <120	-- <50	-- <190	-- <50
MW-3	S-1 0.0 - 2.0 S-2 2.0 - 4.0 S-3 4.0 - 6.0 S-4 6.0 - 7.2 S-4A 7.2 - 8.0	12/19/01	Fill: Light Brown Fine Sand Reddish Brown Fine Sand Brown Fine Sand Reddish Brown Fine Sand Reddish Brown Fine Sand Silt	0.7 0.2 0.2 1 8	No No Moist Wet Wet	None None None None None	340 -- -- -- --	12 (j) -- -- -- --	670 -- -- -- --	930 -- -- -- --	730 -- -- -- --	1200 -- -- -- --	370 -- -- -- --	<37 -- -- -- --	840 -- -- -- -- --
HA-1	0.0 - 1.7 2.0 - 2.7 4.0 - 4.8	12/19/01	Fill: Dark Brown Sand Brown Fine Sand Reddish Brown Fine Sand	<0.1 0.2 0.3	No No No	None None None	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --
HA-2	0.0 - 0.5 0.5 - 2.5 2.5 - 3.5	04/11/03	Topsoil Fill: Brown Fine Sand Brown Fine Silty Sand	-- <0.1 <0.1	No No No	None None None	-- <12	-- <19	-- <12	-- 7.9	-- 16	-- 11	-- 20	-- 14	-- 9.4
HA-3	0.0 - 0.5 0.5 - 2.5 2.5 - 3.5	04/11/03	Topsoil Fill: Brown Fine Sand Fill: Brown Fine Sand	-- <0.1 <0.1	No No No	None None None	-- <12	-- <20	-- <12	-- <6.6	-- <6.6	-- <7.1	-- <13	-- <9.9	-- <7.6
HA-3A	0.0 - 0.3	9/1/03	Fine Sand	--	No	None	<11	<18	<11	38	48	59	35	54	56
HA-4	0.0 - 0.5 0.5 - 3.0 3.0 - 3.5	04/11/03	Fill: Topsoil, Sand, Cinders Fill: Topsoil, Sand, Cinders Poss Fill: Dark Brown Silty Sand	-- -- <0.1	No No Wet	None None None	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --
HA-5	0.0 - 0.5 0.5 - 3.0 3.0 - 3.5	04/11/03	Topsoil Fill: Brown Fine Sand Poss Fill: Dark Brown Silty Sand	-- -- 55	No No Wet	None None Organic Odor	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --
HA-6	0.0 - 2.5 2.5 - 3.5	7/23/03	Topsoil/Gravel Fill Poss Fill: Dark Brown Silty Sand	-- --	No No	None None	1500 --	390 --	710 --	520 --	490 --	320 --	300 --	360 --	500 --
HA-6A	0.0 - 0.3	9/1/03	Gravel Fill	--	No	None	<12	<19	<12	30	38	55	34	39	48
HA-7	0.0 - 2.5 2.5 - 3.5	7/23/03	Topsoil/Gravel Fill Poss Fill: Dark Brown Silty Sand	-- --	No Moist	None Organic	<13 --	<21 --	<13 --	<7.1 --	<7.1 --	<7.7 --	<14 --	<11 --	<8.1 --
WACNR 746 Table 1 Soil Screening Values							--	--	--	--	--	--	--	--	--
Groundwater Pathway							38,000	700	3,000,000	17,000	48,000	360,000	6,800,000	870,000	37,000
Direct Contact Pathway:							900,000	18,000	5,000,000	88	8.8	88	1,800	880	8,800
Direct Contact Pathway:							nd	51,000	nd	11,000	1,600	4,600	1,100,000	380,000	270,000
Direct Contact Pathway:							60,000,000	390,000	300,000,000	3,900	390	3,900	39,000	39,000	390,000
Direct Contact Pathway:							nd	360,000	nd	150,000	22,000	65,000	7,700,000	5,300,000	3,800,000

**NOTES:**

TMB = Trimethylbenzene

WAC = Wisconsin Administrative Code

DRO = Diesel Range Organics

nd = not determined

\* = Exceeds Wisconsin Groundwater Pathway Value

█ = Exceeds Wisconsin Soil Screening Level or Suggested Industrial Direct Contact Pathway Value

--- = Not analyzed/Applicable



**TABLE 1**  
**SOIL FIELD OBSERVATIONS AND ANALYTICAL RESULTS**  
**BADGER PAPER MILL, INC.,**  
**PULP MILL ABOVE GROUND STORAGE TANK ASSESSMENT**  
**PESHIGO, WISCONSIN**

FIELD OBSERVATIONS							PAHs								
Sample No.	Depth (Feet)	Date	Description	FID/PID	Moisture	Odor	Dibenzo(a,h)anthracene ug/kg	Fluoranthene ug/kg	Fluorene ug/kg	Indeno(1,2,3-cd)pyrene ug/kg	1-Methyl naphthalene ug/kg	2-Methyl naphthalene ug/kg	Naphthalene ug/kg	Phenanthrene ug/kg	Pyrene ug/kg
S-1	1.2	10/23/01	Fill: Brown Silty Sand Tr. Gravel	0.6	Wet	None	--	--	--	--	--	--	--	--	--
S-2	1.5	10/23/01	Fill: Brown Silty Sand Tr. Gravel	0.9	Wet	None	--	--	--	--	--	--	--	--	--
S-3	2.5	10/23/01	Fill: Brown Silty Sand	63	Moist	Slight Petroleum	--	--	--	--	--	--	--	--	--
S-4	3.5	10/23/01	Fill: Brown Silty Sand	80	Moist	Slight Petroleum	--	--	--	--	--	--	--	--	--
S-5	2	10/23/01	Fill: Brown Silty Sand	20	Wet	Slight Petroleum	--	--	--	--	--	--	--	--	--
	4.5		Fill: Brown Silty Sand	24	Moist	Slight Petroleum	<33	<32	<56	<39	25,900 *	55,000 *	9250 *	31400 *	<16
S-6	2.5	10/23/01	Fill: Brown Silty Sand	140	Moist	Petroleum	--	--	--	--	--	--	--	--	--
MW-1	S-1	12/19/01	Fill: Brown Fine Sand	7.5	No	None	--	--	--	--	--	--	--	--	--
	S-2		Dark Brown Fine Silty Sand	53	Moist	None	<10	<10	<11	<13	<10	<17	<10	<12	<13
	S-3		Brown Fine Sand	12	Wet	None	--	--	--	--	--	--	--	--	--
MW-2	S-1	12/19/01	Fill: Dark Brown Fine Silty Sand	0.6	No	None	--	--	--	--	--	--	--	--	--
	S-2		Brown Fine Silty Sand	2	Moist	None	--	--	--	--	--	--	--	--	--
	S-3		Dark Brown Fine Silty Sand	200	Moist	None	<50	170	1900	<65	8400	450	730	3400*	490
	S-3A		Brown Silty Peat/Fine Sand	17	Wet	None	--	--	--	--	--	--	--	--	--
MW-3	S-1	12/19/01	Fill: Light Brown Fine Sand	0.7	No	None	220	2100	260	450	75	100	210	2300 *	2100
	S-2		Reddish Brown Fine Sand	0.2	No	None	--	--	--	--	--	--	--	--	--
	S-3		Brown Fine Sand	0.2	Moist	None	--	--	--	--	--	--	--	--	--
	S-4		Reddish Brown Fine Sand	1	Wet	None	--	--	--	--	--	--	--	--	--
	S-4A		Reddish Brown Fine Sand Silt	8	Wet	None	--	--	--	--	--	--	--	--	--
HA-1	0.0 - 1.7	12/19/01	Fill: Dark Brown Sand	<0.1	No	None	--	--	--	--	--	--	--	--	--
	2.0 - 2.7		Brown Fine Sand	0.2	No	None	--	--	--	--	--	--	--	--	--
	4.0 - 4.8		Reddish Brown Fine Sand	0.3	No	None	--	--	--	--	--	--	--	--	--
HA-2	0.0 - 0.5	04/11/03	Topsoil	--	No	None	--	--	--	--	--	--	--	--	--
	0.5 - 2.5		Fill: Brown Fine Sand	<0.1	No	None	--	--	--	--	--	--	--	--	--
	2.5 - 3.5		Brown Fine Silty Sand	<0.1	No	None	<7.9	<8.5	<6.4	17	<7.5	<8.0	12	12	<14
HA-3	0.0 - 0.5	04/11/03	Topsoil	--	No	None	--	--	--	--	--	--	--	--	--
	0.5 - 2.5		Fill: Brown Fine Sand	<0.1	No	None	--	--	--	--	--	--	--	--	--
	2.5 - 3.5		Fill: Brown Fine Sand	<0.1	No	None	<8.1	<8.8	<6.6	<12	<7.7	<8.2	<8.2	<8.8	<14
HA-3A	0.0 - 0.3	9/1/03	Fine Sand	--	No	None	9.8	93	<6.0	30	21	33	46	74	89
HA-4	0.0 - 0.5	04/11/03	Fill: Topsoil, Sand, Cinders	--	No	None	--	--	--	--	--	--	--	--	--
	0.5 - 3.0		Fill: Topsoil, Sand, Cinders	--	No	None	--	--	--	--	--	--	--	--	--
	3.0 - 3.5		Poss Fill: Dark Brown Silty Sand	<0.1	Wet	None	--	--	--	--	--	--	--	--	--
HA-5	0.0 - 0.5	04/11/03	Topsoil	--	No	None	--	--	--	--	--	--	--	--	--
	0.5 - 3.0		Fill: Brown Fine Sand	--	No	None	--	--	--	--	--	--	--	--	--
	3.0 - 3.5		Poss Fill: Dark Brown Silty Sand	55	Wet	Organic Odor	--	--	--	--	--	--	--	--	--
HA-6	0.0 - 2.5	7/23/03	Topsoil/Gravel Fill	--	No	None	78	1200	2600	240	4600	280	330	4900	1900
	2.5 - 3.5		Poss Fill: Dark Brown Silty Sand	--	No	None	--	--	--	--	--	--	--	--	--
HA-6A	0.0 - 0.3	9/1/03	Gravel Fill	--	No	None	8.7	65	<6.5	27	22	28	20	42	55
HA-7	0.0 - 2.5	7/23/03	Topsoil/Gravel Fill	--	No	None	<8.7	<9.4	<7.1	<13	<8.2	<8.8	<8.8	<9.4	<15
	2.5 - 3.5		Poss Fill: Dark Brown Silty Sand	--	Moist	Organic	--	--	--	--	--	--	--	--	--
WAC NR 746 Table 1 Soil Screening Values							--	--	--	--	--	--	2700	--	--
Groundwater Pathway							38000	500,000	100,000	680,000	23,000	20,000	400	1,800	8,700,000
Direct Contact Pathway: Non-Industrial Ingestion							8.8	600,000	600,000	88	1,100,000	600,000	60,000	18,000	500,000
Direct Contact Pathway: Non-Industrial Inhalation							7,800	nd	nd	54,000	nd	nd	20,000	160,000	nd
Direct Contact Pathway: Industrial Ingestion							390	40,000,000	40,000,000	3,900	70,000,000	40,000,000	4,000,000	390,000	30,000,000
Direct Contact Pathway: Industrial Inhalation							110,000	nd	nd	750,000	nd	nd	110,000	1,100,000	nd

**NOTES:**

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WAC = Wisconsin Administrative Code

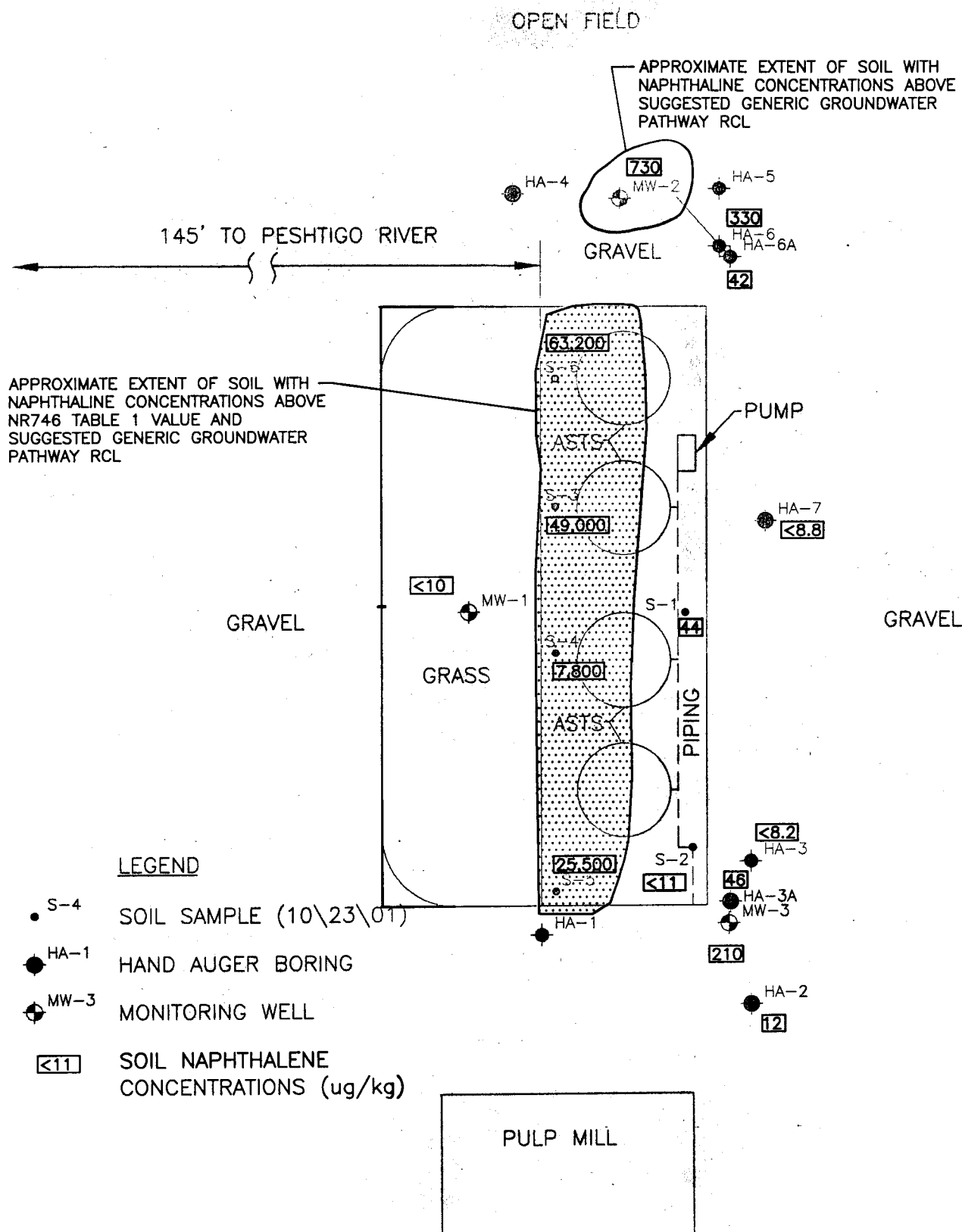
DRO = Diesel Range Organics

nd = not determined

\* = Exceeds Wisconsin Groundwater Pathway Value

9250 \* = Exceeds Wisconsin Soil Screening Level or Suggested Industrial Direct Contact Pathway Value

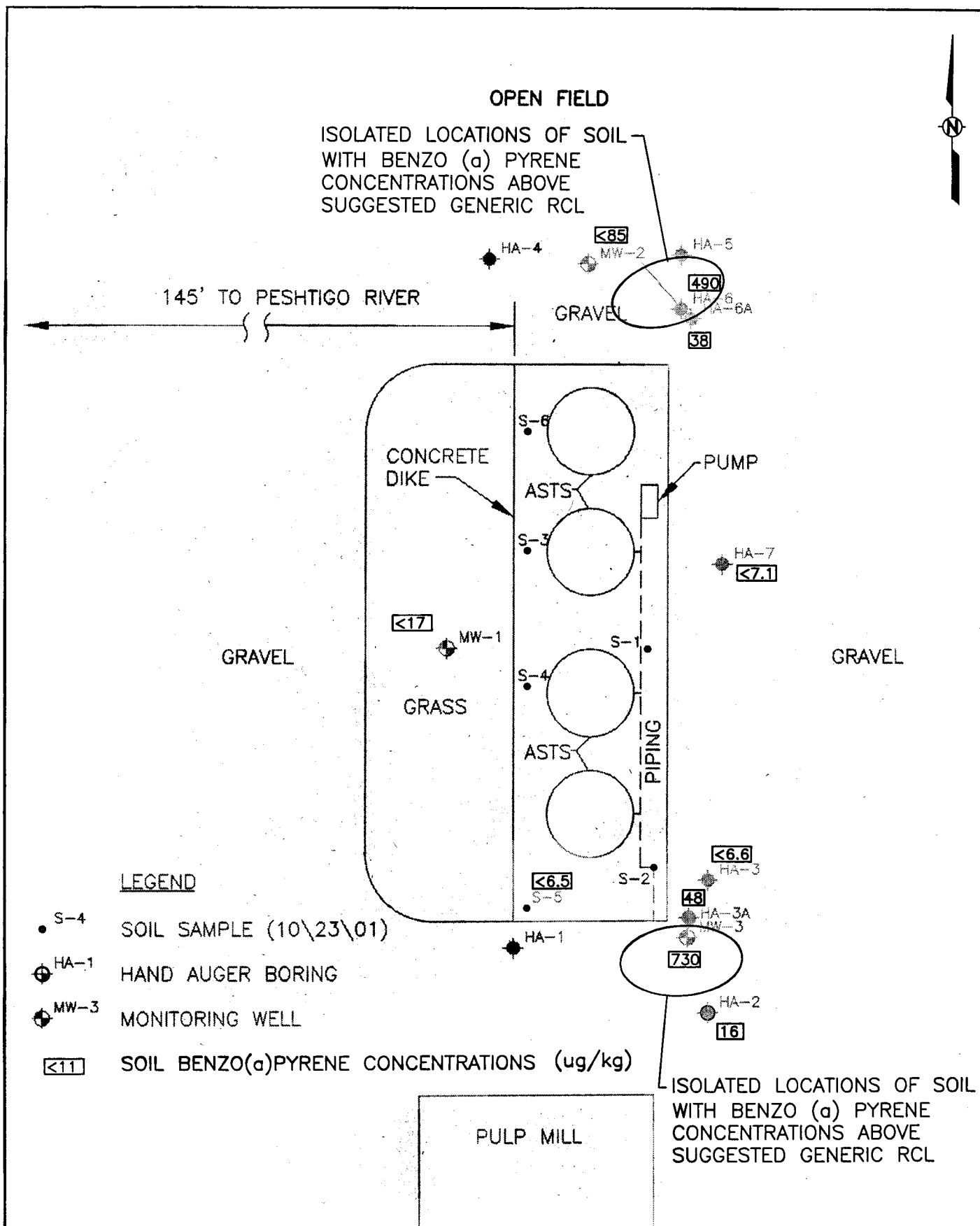
-- = Not analyzed/Applicable



STS Consultants Ltd.  
Consulting Engineers  
1035 Kepler Dr.  
Green Bay, WI 54311  
920.468.1978

SOIL NAPHTHALENE CONCENTRATIONS  
BADGER PAPER AST ASSESSMENT  
FRENCH STREET  
PESHTIGO, WISCONSIN

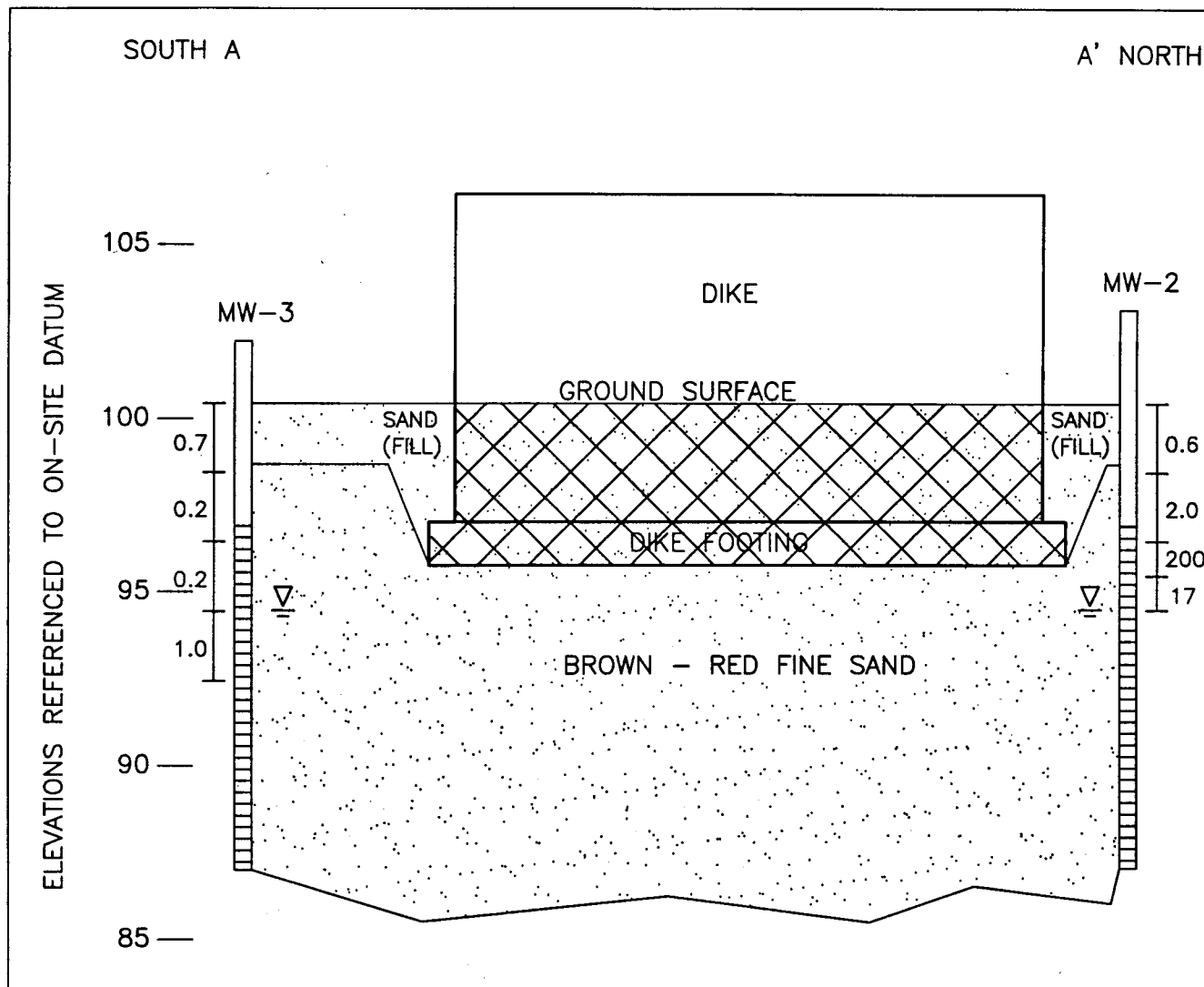
DESIGNED BY	RJM	10/01/03
DRAWN BY	JMR	10/01/03
APPROVED BY		
CADFILE	SCALE	
G427121XH002A.dwg	1"=20'	
STS PROJECT NO.	FIGURE NO.	
27121XH	5	



STS Consultants Ltd.  
Consulting Engineers  
1035 Kepler Dr.  
Green Bay, WI 54311  
920.468.1978

SOIL BENZO(a)PYRENE CONCENTRATIONS  
BADGER PAPER AST ASSESSMENT  
FRENCH STREET  
PESHTIGO, WISCONSIN

DESIGNED BY	RJM	10/01/03
DRAWN BY	JMR	10/01/03
APPROVED BY		
CADFILE	SCALE 1"=20'	
STP PROJECT NO.	FIGURE NO.	
27121XH	6	



# LEGEND

- SOIL SAMPLE INTERVAL
- WELL
- SCREEN INTERVAL

< 0.1 PID READING (UNITS)

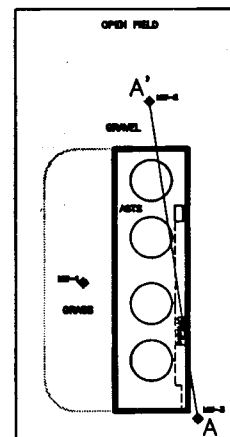
WATER ELEVATION (07/23/03)

SCALE: HORZ. 1"=20'  
VERT. 1"= 5'

NOTE: DIKE AND FOOTING  
DESIGN INFORMATION  
PROVIDED BY BADGER PAPER



APPROXIMATE EXTENT  
OF SOIL PETROLEUM  
IMPACTS FROM 1996  
RELEASE



CROSS-SECTION INDEX



STS Consultants Ltd.  
Consulting Engineers  
1035 Kepler Dr.  
Green Bay, WI 54311  
920.468.1978

CROSS-SECTION A-A'  
BADGER PAPER AST ASSESSMENT  
FRENCH STREET  
PESHTIGO, WISCONSIN

DESIGNED BY	RJM	10/02/03
DRAWN BY	JMR	10/02/03
APPROVED BY		
CADFILE	SCALE	
G427121XH002A.dwg	1"=20'	
STS PROJECT NO.	FIGURE NO.	
27121XH	4	

STATEMENT OF PROPERTY LEGAL DESCRIPTION

As required by s.NR726.05(3) of the Wisconsin Administrative Code, I am providing this signed statement that to the best of my knowledge the legal descriptions that are attached to this statement are complete and accurate for the Badger Paper Mills, Inc., property located at 200 French Street, Peshtigo, Wisconsin.

X William H. Peters  
(Signature)

Date 12/2/03

William H. Peters  
(Name)

Vice President  
(Title)

Badger Paper Mills, Inc  
(Company)